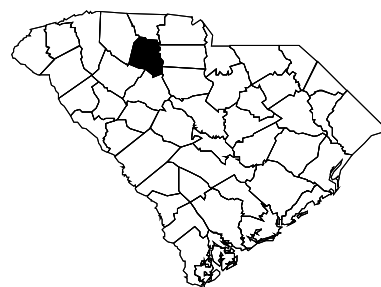


IMPACT OF CHRONIC CONDITIONS UNION County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Union county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Union county's population is similar to the state population. The majority (34%) of the population in Union county are between the ages of 18-44, and there are more females (53%) than males (47%). Union county's minority population (32%) is the similar to the state's (31%). When adults in DHEC's Region 2, which includes Union county, were asked about their general health status, 84.1% reported having excellent, very good, or good health in 2005 (SC was 82%).

	UNION COUNTY	STATE
Population size	28,539	4,255,083
Age distribution (%)		
<18	23	24
18-44	34	38
45-64	28	25
65-84	14	11
85+	2	2
Race (%)		
White	68	69
Black & Other	32	31
Sex (%)		
Male	47	49
Female	53	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Union County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	24	22
Sedentary lifestyle	27	26
Overweight	72	65
High Cholesterol	37	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons age 65 and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION AND HYPERTENSIVE DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	34.6	.	.	.	.	31.7
Number of hospitalizations	123	36	20	50	73	5,032
Crude rate of hospitalizations (per 100,000)	431	391	103	373	482	118
Median age of hospitalized patients	55	50	67	55	52	57
Total cost of hospitalization (\$)	1,329,600	747,300	582,300	759,900	569,700	109,400,500
Average length of hospital stay (days)	6	6	7	7	6	5
Number of ED visits	58	21	23	21	37	7,466
Crude rate of ED visits (per 100,000)	203	228	119	157	244	175
Median age of ED patients	52	47	52	47	57	52
Total cost of ED visits (\$)	42,600	23,500	19,100	22,500	20,100	9,929,000
Number of deaths**	3	-	3	-	3	423
Age-Adjusted Death rate (per 100,000)**	8	-	11	-	12	10

DISEASES OF THE HEART	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.3	.	.	.	.	4.1
Number of hospitalizations	659	105	349	320	339	60,901
Crude rate of hospitalizations (per 100,000)	2,309	1,142	1,804	2,387	2,240	1,431
Median age of hospitalized patients	62	52	67	62	67	67
Total cost of hospitalization (\$)	14,279,400	2,557,600	11,721,800	8,062,100	6,217,300	2,286,836,400
Average length of hospital stay (days)	5	5	5	5	5	5
Number of ED visits	85	17	30	39	46	12,989
Crude rate of ED visits (per 100,000)	298	185	155	291	304	305
Median age of ED patients	52	57	52	52	57	62
Total cost of ED visits (\$)	157,300	56,100	101,200	86,400	70,900	42,115,900
Number of deaths**	116	31	85	53	63	9,328
Age-Adjusted Death rate (per 100,000)**	318	366	299	395	263	218

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	2.2	.	.	.	.	3
Number of hospitalizations	166	39	68	90	76	13,925
Crude rate of hospitalizations (per 100,000)	582	424	352	671	502	327
Median age of hospitalized patients	67	57	67	62	72	72
Total cost of hospitalization (\$)	3,443,300	1,633,500	1,809,800	2,253,400	1,189,900	384,441,600
Average length of hospital stay (days)	6	9	5	7	6	6
Number of ED visits	20	4	8	12	8	2,515
Crude rate of ED visits (per 100,000)	70	43	41	90	53	59
Median age of ED patients	57	50	57	57	67	67
Total cost of ED visits (\$)	35,300	8,800	26,500	24,900	10,400	9,113,000
Number of deaths**	20	6	14	10	10	2,440
Age-Adjusted Death rate (per 100,000)**	58	62	51	67	47	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	282	32	142	87	195	15,753
Crude rate of hospitalizations (per 100,000)	988	348	734	649	1,289	370
Median age of hospitalized patients	57	47	57	57	57	62
Total cost of hospitalization (\$)	2,851,700	477,800	2,373,900	1,046,700	1,805,000	268,425,300
Average length of hospital stay (days)	5	4	5	5	5	5
Number of ED visits	304	89	148	122	182	36,543
Crude rate of ED visits (per 100,000)	1,065	968	765	910	1,203	859
Median age of ED patients	32	27	35	25	37	37
Total cost of ED visits (\$)	206,500	71,300	135,200	76,200	130,300	40,613,700
Number of deaths**	20	4	16	10	10	1,968
Age-Adjusted Death rate (per 100,000)**	56	51	58	65	46	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	9.3	.	.	.	.	10.3
Number of hospitalizations	124	34	54	46	78	9,027
Crude rate of hospitalizations (per 100,000)	434	370	279	343	515	212
Median age of hospitalized patients	47	52	42	52	45	52
Total cost of hospitalization (\$)	1,833,600	624,900	1,208,700	923,400	910,200	179,747,700
Average length of hospital stay (days)	6	5	7	8	5	6
Number of ED visits	35	12	20	12	23	9,603
Crude rate of ED visits (per 100,000)	123	130	103	90	152	226
Median age of ED patients	47	37	50	55	40	52
Total cost of ED visits (\$)	44,000	13,000	31,000	17,100	26,900	13,447,300
Number of deaths**	15	5	10	8	7	1,183
Age-Adjusted Death rate (per 100,000)**	46	60	42	57	33	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	147	42	80	77	70	16,389
Crude rate of hospitalizations (per 100,000)	515	457	414	574	463	385
Median age of hospitalized patients	67	62	67	67	67	62
Total cost of hospitalization (\$)	4,636,900	1,543,600	3,093,300	2,844,500	1,792,400	664,309,500
Average length of hospital stay (days)	7	7	7	7	6	8
Number of deaths**	77	25	52	41	36	8,617
Age-Adjusted Death rate (per 100,000)**	216	301	194	282	178	196

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	25	9	12	14	11	2,070
Crude rate of hospitalizations (per 100,000)	88	98	62	104	73	49
Median age of hospitalized patients	62	62	65	55	72	67
Total cost of hospitalization (\$)	1,008,900	399,500	609,400	580,100	428,800	101,377,700
Average length of hospital stay (days)	9	8	9	10	8	10
Number of deaths**	9	4	5	4	5	812
Age-Adjusted Death rate (per 100,000)**	25	53	17	26	22	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	12	3	5	-	12	1,228
Crude rate of hospitalizations (per 100,000)	79	62	49	.	84	56
Median age of hospitalized patients	72	57	72	-	72	62
Total cost of hospitalization (\$)	161,700	50,400	111,300	-	161,700	26,163,000
Average length of hospital stay (days)	3	2	3	-	3	3
Number of deaths**	4	-	4	-	4	651
Age-Adjusted Death rate (per 100,000)**	19	-	26	-	19	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	-	-	-	-	-	192
Crude rate of hospitalizations (per 100,000)	-	-	-	-	-	9
Median age of hospitalized patients	-	-	-	-	-	47
Total cost of hospitalization (\$)	-	-	-	-	-	4,668,500
Average length of hospital stay (days)	-	-	-	-	-	4
Number of deaths**	1	-	1	-	1	63
Age-Adjusted Death rate (per 100,000)**	8	-	12	-	8	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	31	5	21	19	12	2,181
Crude rate of hospitalizations (per 100,000)	109	54	109	142	79	51
Median age of hospitalized patients	67	77	67	67	72	67
Total cost of hospitalization (\$)	975,200	98,400	876,800	730,800	244,400	92,775,300
Average length of hospital stay (days)	7	4	8	8	6	9
Number of deaths**	23	7	16	14	9	2,703
Age-Adjusted Death rate (per 100,000)**	64	80	59	94	46	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	12	8	3	12	-	1,209
Crude rate of hospitalizations (per 100,000)	90	185	33	73	-	58
Median age of hospitalized patients	62	62	57	62	-	62
Total cost of hospitalization (\$)	386,700	306,800	79,900	386,700	-	30,356,600
Average length of hospital stay (days)	5	6	3	5	-	4
Number of deaths**	4	1	3	4	-	460
Age-Adjusted Death rate (per 100,000)**	28	22	27	28	-	30

*Prevalence estimates at regional level

**Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

All hospitalizations of Blacks include Blacks and Others.

For more information about

Chronic diseases in South Carolina contact:

Khosrow Heidari
Bureau of Community Health and Chronic Disease Prevention
SC Department of Health and Environmental Control
1777 St. Julian Place
Columbia, SC 29204
Tel (803) 545-4928

Hospital discharges and ED visits, contact:

Sandra Kelly
Office of Research and Statistics
SC Budget and Control Board
1919 Blanding Street
Columbia, SC 29201
(803) 898-9958
skelly@ors.state.sc.us

